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NOTICE OF ALLOWANCE AND FEE(S) DUE

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09/26/2008

SEED INTELLECTUAL PROPERTY LAW GROUP PLLC 701 FIFTH AVE SUITE 5400 SEATTLE, WA 98104 EXAMINER

CHUNDURU, SURYAPRABHA

ART UNIT PAPER NUMBER

1637

DATE MAILED: 09/26/2008

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
Ī	09/898,743	07/03/2001	Krassen Dimitrov	690142.401	3666

TITLE OF INVENTION: METHODS FOR DETECTION AND QUANTIFICATION OF ANALYTES IN COMPLEX MIXTURES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	12/26/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

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If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

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CURRENT CORRESPOND	ENCE ADDRESS (Note: Use Blo	ock 1 for any change of address)	Fee	(s) Transmittal. Thi	is certifi	cate cannot be used f	or domestic mailings of the or any other accompanying	
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SEATTLE, WA	98104						(Depositor's name)	
							(Signature)	
							(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	L .	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.	
09/898,743	07/03/2001	•	Krassen Dimitrov			690142.401	3666	
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nonprovisional	YES	\$720	\$300	\$0		\$1020	12/26/2008	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS					
CHUNDURU, S	URYAPRABHA	1637	536-023100					
1. Change of corresponde CFR 1.363).	ence address or indication	n of "Fee Address" (37						
	ondence address (or Char	nge of Correspondence	(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,					
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to					
			2 registered patent attorneys or agents. If no name is 3 listed, no name will be printed.					
3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	I THE PATENT (print or ty	pe)				
PLEASE NOTE: Unl	less an assignee is identi	ified below, no assignee	data will appear on the p T a substitute for filing an	atent. If an assign	ee is id	entified below, the d	ocument has been filed for	
(A) NAME OF ASSIG		netion of this form is ivo	(B) RESIDENCE: (CITY		COUNT	RY)		
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Please check the appropr	iate assignee category or	categories (will not be p	rinted on the patent):	Individual 🖵 Co	orporati	on or other private gro	oup entity 🔲 Government	
4a. The following fee(s)	are submitted:	41	b. Payment of Fee(s): (Plea	ase first reapply ar	y prev	iously paid issue fee	shown above)	
Issue Fee	To small entity discount p	ormittad)	☐ A check is enclosed.☐ Payment by credit can	nd Earn PTO 2029	is atta	ahad		
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5. Change in Entity Star a. Applicant claim	tus (from status indicated is SMALL ENTITY statu	/	☐ b. Applicant is no lon	ger claiming SMAI	LL ENT	TTY status. See 37 C	FR 1.27(g)(2).	
NOTE: The Issue Fee an	d Publication Fee (if requ	ired) will not be accepte	d from anyone other than				ne assignee or other party in	
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This collection of inform an application. Confident submitting the completed	nation is required by 37 C tiality is governed by 35 d application form to the	FR 1.311. The information U.S.C. 122 and 37 CFR USPTO. Time will vary	on is required to obtain or 1.14. This collection is es	retain a benefit by t timated to take 12 i	he publi ninutes	ic which is to file (and to complete, includir s on the amount of ti	d by the USPTO to process) ag gathering, preparing, and me you require to complete	
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SEED INTELLE	CTUAL PROPERTY	CHUNDURU, SURYAPRABHA		
701 FIFTH AVE		ART UNIT	PAPER NUMBER	
SUITE 5400 SEATTLE, WA 98104			1637 DATE MAILED: 09/26/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s) DIMITROV, KRASSEN				
	09/898,743					
Notice of Allowability	Examiner	Art Unit				
	Suryaprabha Chunduru	1637				
	<u> </u>					
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in to or other appropriate commun GHTS. This application is sul	his application. If not included ication will be mailed in due course. THIS				
1. This communication is responsive to 8/21/08.						
2. X The allowed claim(s) is/are 90-94, 96-97, 100, 102, 113-12	<u> 24, 126-139, 141-164, 167-178</u>	3.				
 3.		(f).				
2. ☐ Certified copies of the priority documents have		No				
3. ☐ Copies of the certified copies of the priority does						
International Bureau (PCT Rule 17.2(a)).		The hadenal edge approals in the time				
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.						
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give						
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.					
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached						
1) ☐ hereto or 2) ☐ to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the						
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of Info	rmal Patent Application				
 Notice of References Cited (PTO-592) Dotice of Draftperson's Patent Drawing Review (PTO-948) 	6. ☐ Interview Sun					
3. ☑ Information Disclosure Statements (PTO/SB/08),	Paper No./M	ail Date mendment/Comment				
Paper No./Mail Date 8/21/08 4. Examiner's Comment Regarding Requirement for Deposit	<u> </u>	tatement of Reasons for Allowance				
of Biological Material	9.					

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<u>DETAILED ACTION</u>

1. Applicants' response filed on August 21, 2008 has been considered and acknowledged.

3. The following is an examiner's statement of reasons for allowance:

Claims 90-94, 96-97, 100, 102, 113-124, 126-139, 141-164, 167-178 are allowed.

The present invention is drawn to a diverse population of uniquely labeled probes comprising thirty or more target-specific probes that each has a detectable signal that distinguishes it from the other polynucleotide probes of the population, wherein each of said polynucleotide probes comprise a target-specific region and a region comprising a plurality of genedigits linked together in a unique combination, each genedigit being a predetermined sequence and each genedigit is attached to a corresponding anti-genedigit having unique label monomer or a unique combination of label monomers. The closest prior art Barbera-Guillem in view of Tanke et al. teach said diverse population of labels, however the closest prior art did not teach 30 or more target-specific probes each having distinguishable signal and each probe comprising a target-specific region and a region comprising a plurality of gene digits, wherein each genedigit is attached to a corresponding anti-genedigit having a unique label monomer or a unique combination of label monomers. Thus the instant invention was not taught or obvious over the closest prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Art Unit: 1637

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Suryaprabha Chunduru whose telephone number is 571-272-0783. The examiner can normally be reached on 8.30A.M. - 4.30P.M, Mon - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Benzion can be reached on 571-272-0782. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Suryaprabha Chunduru/

Primary Examiner, Art Unit 1637